

Abstract of the Disclosure**METHOD TO ROUGH SIZE COATED
COMPONENTS FOR EASY ASSEMBLY**

A method for coating surfaces of a screw machine. The method includes the steps of providing at least one of a plurality of screw machine components including a rotor housing having at least a pair of parallel, overlapping bores; at least a conjugate pair of intermeshing rotors located in the bores, wherein each of the rotors has helical lobes having radially outward tip portions and intervening radially inward root portions; rough coating a surface of at least one of the plurality of components with a conformable coating, wherein the coating is substantially unevenly applied to the surface and has variable thickness over said surface; and leveling the conformable coating to a substantially uniform thickness prior to final assembly of the plurality of components, the substantially uniform thickness selected to ease assembly of the components, while maintaining coating performance criteria.

2020-09-01 10:38:43